Application No.: 09/889,559
Amendment Under 37 C.F.R. §1.111 dated November 12, 2004
Reply to the Office Action dated August 13, 2004

REMARKS

This is in response to the Office Action dated August 13, 2004. Claims 1 – 17 remain pending in the present application. The rejections set forth in the Office Action are respectfully traversed below.

Rejections Under 35 U.S.C. §112, Second Paragraph

Claims 10 – 14 and 17 were amended to overcome the minor antecedent basis errors under 35 U.S.C. §112, second paragraph.

The Prior Art Rejections

Claims 1, 6 – 9 and 15 were rejected under 35 U.S.C. §102 over **Hejlsberg et al.** (USP 6,151,602). Claims 4 and 5 were rejected under 35 U.S.C. §103 over **Hejlsberg**. Claims 2, 3, 10, 11, 12, 14 and 16 were rejected under 35 U.S.C. §103 over **Hejlsberg**, in view of **Cogan et al.** (USP 5,406,380). The primary reference to **Hejlsberg** was made for disclosing the majority of the present claimed invention. The further reference to **Cogan** was made for disclosing the additional use of compression and decompression. However, it is submitted that nothing in the cited prior art, either alone or in combination, teaches or suggests all the features recited in the present claimed invention.

For instance, amended independent claims 1, 7, 10, and 15 recite, *inter alia*, "a transmission data generating step of serializing all items contained in the data attribute table and

retrieval data table into a single string <u>without adding additional information between the items</u>."

The cited prior art do not teach or suggest this feature.

One feature of the present invention is to avoid inserting any identification information between serialized data string read from the data attribute table and the serialized data string read from the data retrieval table. In particular, the present invention avoids the conventional method for inserting identification information before or after each item. The use of the present invention reduces the amount of transmission data, as well as improving the speed for data transmission.

Hejlsberg teaches no more than the conventional method mentioned in the present specification. In particular, **Hejlsberg** discloses the use of identification information before each row. As described at columns 13 and 14 of **Hejlsberg**, the row data for a data packet includes a row status field (iRowCount) in the header, as well as a null indicator bit array (InullBits). Such additional descriptor information is inserted before each row or "item." At step 505 (Figure 5), the system loops through all data records of the result set and writes out the corresponding field values into a stream *including descriptors*. Indeed, **Hejlsberg** relies on the existence of the intervening descriptors in the data stream (including the inserted row data header information mentioned above) in order to achieve a correct interpretation of the stream data (see e.g. column 21, lines 1 – 4). Such teachings in the primary reference to **Hejlsberg** are directly contrary to the present invention that avoids inserting such additional information between each item. Indeed, the primary reference to **Hejlsberg** is contrary to the present claimed "serializing all items contained in the data attribute table and retrieval data table into a single string *without adding*

additional information between the items." For at least these reasons, the present claimed

invention patentably distinguishes over the prior art.

If the Examiner believes that this application is not now in condition for allowance, the

Examiner is requested to contact Applicant's undersigned attorney to arrange for an interview to

expedite the disposition of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate

extension of time. The fees for such an extension or any other fees that may be due with respect

to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

John P. Kong
Attorney for Applicant
Registration No. 40,054

JPK:kal
1250 Connecticut Avenue, NW
Suite 700
Washington, D.C. 20036
(202) 822-1100